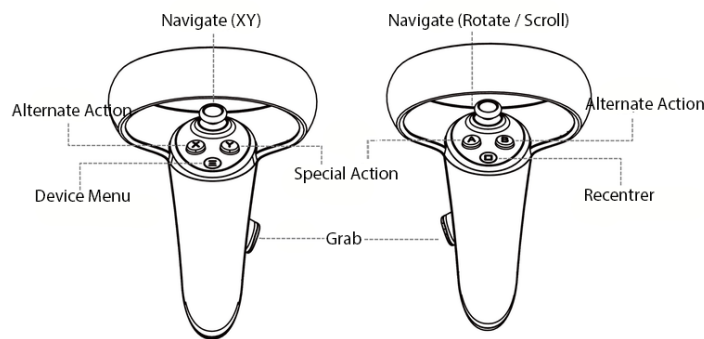




Rapid Reference Document for Proteus Labs Controls and Actions

Controllers' controls

- **Grip:** Grab objects using the hand trigger.
- **SPECIAL ACTION:** Perform context-sensitive actions using the index trigger.
- **Open device Menu:** Open the System Menu with one push of the Menu Button (left controller).
- **Recenter:** Recenter position in space by keeping the ClassVR Button pressed (right controller).
- **Alternate Action:** Alternate between push and pull (ex. syringe) using the A (right) or X (left) Buttons.
- **Scroll the virtual tablet:** By using your hands directly on the tablet or using the right thumb stick up/down on the controller.
- **Reposition the lab:** you can reposition the lab by clicking on the right thumb stick which will make a blue sphere appear in front of the main virtual desk. Grab the blue sphere to reposition the lab as desired.
- **Navigate in the lab:** Although not recommended (it can induce motion sickness), you can navigate in the lab with the left thumb stick (XY plane) and rotate with the right thumb stick.



Summary Table of Proteus Labs Inputs

Grip	Hand Trigger
Special Action	Index Trigger
Alternate Action	A or X Button
Scroll Tablet	Right Thumb stick Up/Down
Navigate	Left and Right Thumb sticks
Move grabbed object	
Device Menu	Menu Button
Recenter	ClassVR Button



Adjusting the lab bench & virtual tablet position

- **Adjusting the lab bench position:** When launching a laboratory, you'll find a blue sphere in front of you. Grab it to replace the lab bench at the desired height and location. At any time, you can have the blue sphere re-appear by clicking on the right thumb stick. Then grab the blue sphere to reposition the lab as desired.
- **Adjusting the position of the virtual tablet:** Simply grab the stick at the bottom of the virtual tablet and place it at the most convenient location for you. Watch [this video](#) to learn more about the virtual tablet features.

Rotating buttons

- The following devices have rotating buttons: hotplate, microscope, power supply, and incubator. To adjust the button, grab it then rotate the controller or the hand.



Tricky Instruments and Containers

Spatulas, Tweezers, and Ice tongs / Lighter / Washing Bottle

To open and close tweezers and tongs, use **SPECIAL ACTION** command.

To turn on the lighter or squeeze the washing bottle, use **SPECIAL ACTION** command.

Lab Stand and Clamps

Attach clamps to the stand to complete a montage. You can click on the red arrow on the top to rotate the empty clamps to attain the desired setup.

Syringe

Controllers: Use **SPECIAL ACTION** command to push or pull and **press X** (left) or **A** (right) controller buttons to alternate between push and pull.

Stirring / Shaking liquids

- Use glass stirrer
- Shake capped containers
- Use a magnetic agitator with the hotplate

Note: Test tubes and Erlenmeyer flasks require caps before shaking.

Pipette and Dropper

To use, use **SPECIAL ACTION** command. Liquid will flow in increments of 1 drop - 0.05mL (dropper) or 1mL (pipette).

Burette

To prepare the burette: Fill the gas burette with water, then block its opening by doing the **SPECIAL ACTION** command and keep the index and the thumb pinched. You can then hold the burette upside down and plunge it into a water container. Once secured with clamps and in the container filled with water, you can open your fingers and ungrab.

Lab Protection

Wearing and removal are done by grabbing the gloves (nitrile and heat protection), protective glasses, and lab coat, or their empty location (for removal)